Product Sheet

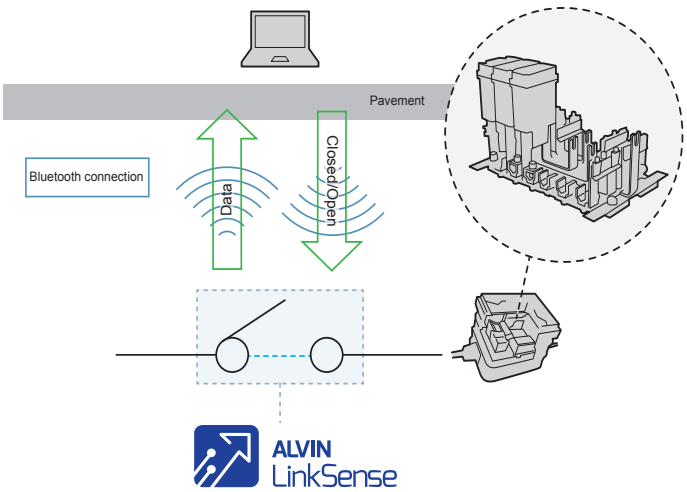
ALVIN LinkSense™

Autonomous link box equipment for network management

ALVIN LinkSense

As part of the ALVIN™ family, the ALVIN Linksense™ is the most versitile LV network reconfiguration system commercially available.

ALVIN LinkSense™ is a universally programmable actuator with applied SafeON™ switching technology that allows virtually any operation to be programmed – highly configurable and flexible. It is self-powered directly from the feeder and has energy storage for offline operations. It collects all relevant network data providing valuable information such as directional fault passage indication that can be accessed through wireless communication. ALVIN LinkSense™ can measure instantaneous values of I and V and can process them to get any required outcome (RMS, Peak, Power, power factor, harmonics etc.) according to customer requirements.



Benefits

- Low cost equipment
- Low maintenance and life time cost
- Improved network performance
- Extended asset life: limited current flow on restart offered less stress on the asset
- Increase resource efficiency / reduced operational expenditure
- Reduced network imbalance offering potential savings through network reinforcement deferrals

Saves time and effort: Once fitted, no engineer intervention is required as the device tests the network condition remotely, prior to automatically reclosing on the fault. Unlike other devices, this can be done multiple times without the need for engineer intervention.

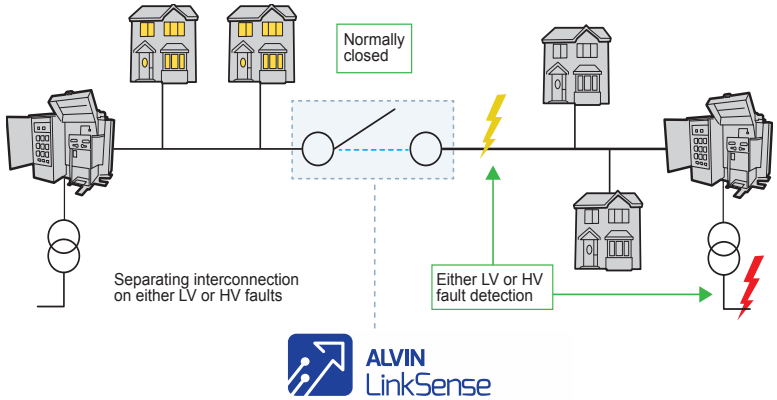
Features

- SafeOn™ current limiting technology eliminates dangerous making on faults
- Manual operation on front panel / through supplied application
- Fully sealed IP67
- Wireless communications on board allowing future expansion or interrogation by operator without removing bell lid cover
- Compatible with all major Link box manufacturers
- Extended diving bell lid is available as an accessories
- Directional fault passage indicator allows operator to locate fault
- Allows safe and quick location and isolation of fault (manual or automatic)
- Temperature monitoring provides additional information about linkbox environment
- Can assist controlling the quality of supply (requires ALVIN Portal™)

ALVIN LinkSense™ may be programmed to customer requirements but it comes with three main and proven configurations that allow benefits of interconnected and radial networks to be applied to each another in an automatic way improving availability and reliability of supply:

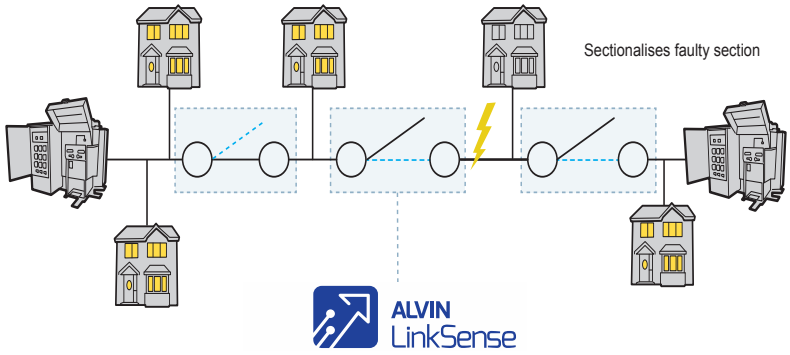
ALVIN LinkSense™ ICT:

Disconnects interconnected networks when loss of supply is present on both sides. This mechanism allows HV automation to be added with no risk associated with back feeds. If voltage is present on both sides of the link box then ALVIN LinkSense™ ICT will interconnect the network.



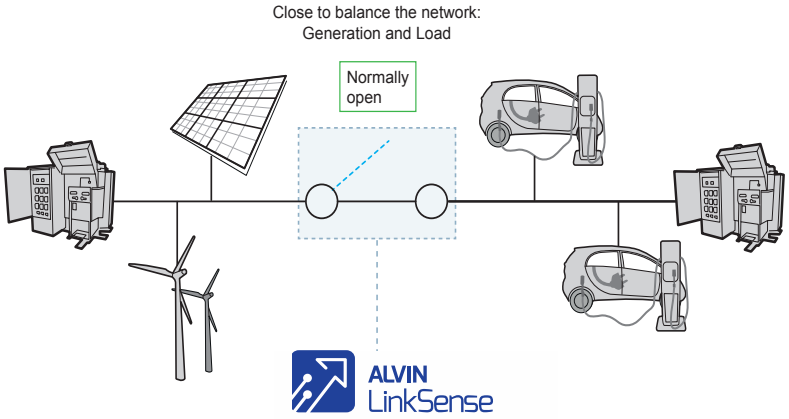
ALVIN LinkSense™ SEC:

Sectionalises radial or interconnected networks to isolate faulty section and restore supply to the maximum amount of customers. Alvin LinkSense™ and Alvin Reclose™ can be deployed together and will automatically perform multiple circuit recloses for a self-clearing fault, restoring supplies without manual intervention. For a permanent fault the Alvin Reclose™ and Alvin LinkSense™ work together to automatically isolate the faulted feeder section and restore supplies to the un-faulted sections.



ALVIN LinkSense™ BAL:

Designed mainly for radial networks. It acts as an intelligent open point that connects two radial networks to share load and therefore increase network performance. This approach is designed to solve network issues with installed Low Carbon Technologies and increasing load.



To book your demonstration or to get further information and advice please contact us on 0151 347 2313 or email sales@eatechnology.com

www.eatechnology.com/ALVINLinkSense

Safer, Stronger,
Smarter Networks

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